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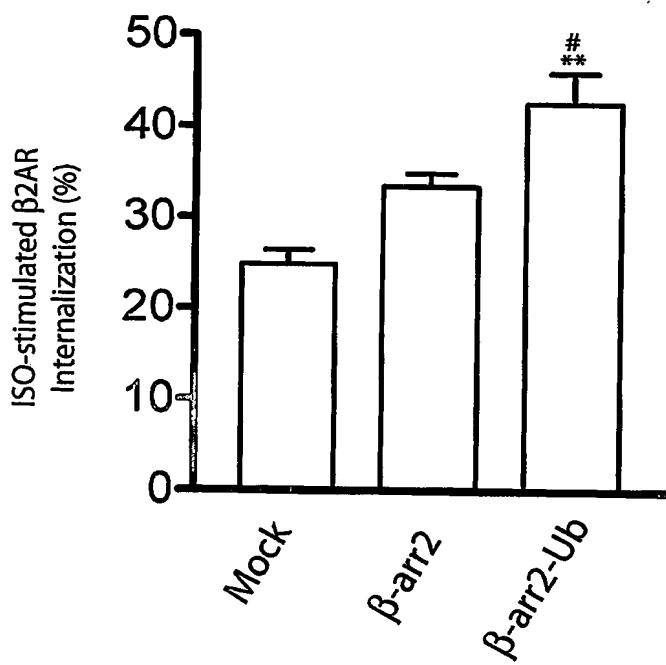
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(54) Title: MODIFIED TRAFFICKING PATTERNS FOR ARRESTIN AND G-PROTEIN-COUPLED RECEPTORS VIA ARRESTIN-UBIQUITIN CHIMERA



(57) **Abstract:** The present invention relates to a modified arrestin which includes an arrestin molecule and a ubiquitin molecule. This modified arrestin has an increased affinity for a GPCR, and traffics with the GPCR into endosomes. The present invention further relates to a method of screening compounds and sample solutions for a GPCR agonist, antagonist, inverse agonist, or desensitization active compound. The modified arrestin is useful in the methods of the present invention.

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